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RUWJDBA/100TH SRW DAVIS MONTHAN AFB ARIZ
RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
RUEAIIA/CIA WASH DC
RUEOJFA/DIA ATTN: DIAXX-2
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S E C R E T CITE NPIC 4327.
SAC FOR DIR, DOSR, DISD; 15TH AF FOR DI, DO; 100TH SRW FOR CO, DCOI; HQ USAF FOR [redacted]
FROM NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER.
SUBJECT:EVALUATION OF GLASS LAMP MISSION G-035

1. QUALITY SUMMARY: MISSION G-035 FLOWN ON 29 MAY 1968 PROVIDES IMAGERY OF POORER QUALITY THAN PREVIOUS MISSIONS UTILIZING UNIT B-24. THE IMAGERY IN THE FIRST 2200 FRAMES APPEARS SOFT. THE PROBABLE CAUSE OF THIS MAY BE A VEILING OF AN OPTICAL SURFACE (SUCH AS ICE ON THE WINDOWS). THE IMAGE QUALITY IMPROVES IN THE LAST 301 FRAMES OF THE MISSION. THE GROUND RESOLUTION AND INTERPRETATION SUITABILITY ARE POOR TO FAIR. CLOUD COVER AND HAZE OBSCURE 20 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

A. THE STANDARD "B" CONFIGURATION CAMERA, UNIT NUMBER B-24, WAS USED IN MISSION G-035 FLOWN ON 29 MAY 1968. MODE 5 WAS USED THROUGHOUT THE MISSION.

B. FILM TYPE 3400 WAS USED THROUGHOUT THE MISSION. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN. ALL MATERIAL WAS PROCESSED TO A 0.8 GAMMA AT A SPEED OF 2.32 (LOG E).

3. ORIGINAL NEGATIVE:

A. EXPOSURE: THE FIRST HALF OF THE MISSION IS UNDEREXPOSED; HOWEVER, AS SOLAR ELEVATION INCREASES THE EXPOSURE APPROACHES AN ADEQUATE LEVEL.

B. DENSITY AND CONTRAST: THE DENSITY IS GENERALLY THIN TO MEDIUM AND THE CONTRAST IS LOW TO MEDIUM.

C. IMAGE DEGRADATION:

(1) 9R SIDE: A PLUS DENSITY BAND APPROXIMATELY 4.5 INCHES WIDE IS PRESENT IN THE FIRST 1170 FRAMES. THE BAND IS ALIGNED ALONG THE MAJOR AXIS 1.5 INCHES FROM THE TITLED EDGE. FRAMES 1378 AND 1379 CONTAIN PLUS DENSITY STREAKS APPARENTLY ASSOCIATED WITH THE HEAT SPLICE IN FRAME 1376. A THIN PLUS DENSUTY LINE LOCATED 4.6 INCHES FROM THE TITLED EDGE IS PRESENT IN FRAMES 1771-2561.

(2) 9L SIDE: PLUS DENSITY MARKS ARE PRESENT INTERMITTENTLY IN FRAMES 955-1232.

(3) BOTH SIDES: MINOR OUTBOARD EDGE FOG AND INBOARD ROLLER CHATTER ARE PRESENT THROUGHOUT THE MISSION. ALL FRAMES CONTAIN A MINUS DENSITY SPOT 0.12 INCH FROM THE DATA CHAMBER SIDE AND 5.4 INCHES FROM THE TITLED EDGE OF THE FILM.

D. PHYSICAL DEGRADATIONS:

(1) 9R SIDE: FRAMES 1170 AND 1376 CONTAIN HEAT SPLICES

GROUP 1 Excluded from automatic downgrading and declassification

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WITH ASSOCIATED HANDLING MARKS. FRAME 1376 ALSO CONTAINS A MYLAR TAPE SPLICE: FRAME 1771 CONTAINS A MANUFACTURER'S SPLICE. THERE IS A 6.0 INCH LONG EMULSION SCRATCH 1.0 INCH FROM THE UNTITLED EDGE (STARTING AT THE DATA BLOCK SIDE) IN FRAMES 1938-1950.

(2) 9L SIDE: FRAMES 301-305 AND 601-605 CONTAIN HANDLING MARKS. A MANUFACTURING SPLICE IS PRESENT IN FRAME 1744.

E. AULIARY DATA: ALL DATA RECORDING EQUIPMENT FUNCTIONED PROPERLY. THERE IS NO BIAS BETWEEN THE EVENTS COUNTER AND THE TITLED FRAME NUMBER.

F. OTHER: THE LAST TITLED FRAME IS 2501.

4. POSITIVES: THE PRINTING AND PROCESSING ARE GOOD.

GP-1

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END OF MESSAGE

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